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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536,919	02/21/2006	Ziaoling Shao	CN 020016	6591

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P.O. BOX 3001  
BRIARCLIFF MANOR, NY 10510

EXAMINER
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LAI, MICHAEL C

ART UNIT	PAPER NUMBER
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2157

MAIL DATE	DELIVERY MODE
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10/17/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/536,919	SHAO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Michael C. Lai	2157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 May 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>21 feb 2006</u>   | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

This action is responsive to application filed on 2/21/2006. The foreign priority date is 12/03/2002. Claims 1-24 are pending examination.

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Caloud (US 6,885,871 B2, hereinafter Caloud).

Regarding claim 1, Caloud teaches a wireless network system that enables direct wireless delivery of a multimedia message from a first multimedia messaging service (MMS) user agent to a second MMS user agent, the system comprising:

means for receiving, from the first MMS user agent, a request to send a multimedia message to the second MMS user agent, the request including an identification (ID) number of the second MMS user agent [col. 5, lines 39-59, the resolution server 119];

means for obtaining an Internet address of the second MMS user agent based on the ID number of the second MMS user agent, if the ID number is not an Internet

Art Unit: 2157

address of the second MMS user agent [FIG. 1, the resolution table 127, col. 6, lines 3-20]; and

means for forwarding the obtained Internet address to the first MMS user agent to enable the first MMS user agent to wirelessly deliver the multimedia message directly to the second MMS user agent using the obtained Internet address [col. 3, lines 46-51].

Regarding claim 2, Caloud teaches the system of claim 1, wherein the obtaining means includes:

means for sending the ID number to a core network [col. 4, lines 38-52, program memory 103 and interface circuits 104]; and

means for obtaining the Internet address of the second MMS user agent from the core network [FIG. 1, the resolution table 127, col. 6, lines 3-20].

Regarding claim 3, Caloud teaches the system of claim 1, wherein the identification number is a mobile station international ISDN number (MSISDN) [col. 3, lines 5-11, the MSISDN is embedded in the SIP symbolic address].

Regarding claim 4, Caloud teaches the system of claim 3, wherein the obtaining means includes:

means for sending the MSISDN to a core network [col. 4, lines 38-52, program memory 103 and interface circuits 104],

means for obtaining an international mobile subscriber identity (IMSI) address corresponding to the MSISDN from the core network [FIG. 1, the resolution table 127, col. 6, lines 3-20, column 127B corresponds to an IMSI number and/or an MSISDN],

Art Unit: 2157

means for sending the obtained IMSI address to the core network [col. 4, lines 38-52, program memory 103 and interface circuits 104], and

means for obtaining the Internet address corresponding to the IMSI from the core network [FIG. 1, the resolution table 127, col. 6, lines 3-20].

Regarding claim 5, Caloud teaches the system of claim 4, wherein:

the MSISDN is sent to a home location register (HLR) in the core network [col. 5, lines 39-54, the resolution server 119 is connected to the HLR of the GSM network through SS7/TCAP/MAP, this enables the interface between the SIP-NAT server and the HLR. Note that the HLR contains mobile information including MSISDN/IMSI is well known in the art.];

the IMSI address is obtained from the HLR [col. 5, lines 39-45, the resolution server 119 is connected to the HLR of the GSM network, and col. 3, lines 32-45, the MSISDN/IMSI information are updated by the SIP-NAT server via interface with the HLR.];

the obtained IMSI is sent to a user database in the core network [col. 3, lines 41-45, updates the resolution table]; and

the Internet address is obtained from the user database [col. 6, lines 3-5, a table could be considered as a preliminary database.].

Regarding claim 6, Caloud teaches the system of claim 1, wherein the wireless network system is implemented in an Internet Protocol (IP) based network [col. 3, lines 32-45, TCP/IP].

Regarding claim 7, Caloud teaches a wireless network system for enabling direct wireless delivery of a multimedia message from a first multimedia messaging service (MMS) user agent located in a first multimedia messaging service environment (MMSE) to a second MMS user agent located in a second MMSE, the system comprising:

- a first MMS server located in the first MMSE [FIG. 1 and col. 5, lines 39-59, the resolution server 119]; and

- a second MMS server located in the second MMSE [The second resolution server for the cell network 118 is inherent. In this case, the first resolution server 119 is located in the first MMSE, e.g., Internet 106];

- wherein the first MMS server includes:

- means for receiving, from the first MMS user agent, a request to send a multimedia message to the second MMS user agent, the request including an identification (ID) number of the second MMS user agent [col. 5, lines 39-59, the resolution server 119], and

- means for forwarding the request to the second MMS server [col. 5, lines 55-59, interface circuits 124 for forwarding the request to the second MMS server via the internet network 106];

- wherein the second MMS server includes:

- means for obtaining an Internet address of the second MMS user agent based on the ID number of the second MMS user agent, if the ID number is not an Internet address of the second MMS user agent [just like the first MMS server, FIG. 1, the resolution table 127, col. 6, lines 3-20.];

means for forwarding the obtained Internet address of the second MMS user agent to the first MMS server [just like the first MMS server, col. 5, lines 55-59, interface circuits 124 for forwarding the obtained Internet address of the second MMS user agent to the first MMS server via the internet network 106];

wherein the first MMS server forwards the obtained Internet address received from the second MMS server to the first MMS user agent to enable the first MMS user agent to wirelessly deliver the multimedia message directly to the second MMS user agent using the obtained Internet address.

Claims 8-12 are of the same scope as claims 2-6. They are rejected for the same reasons as for claims 2-6.

Claims 13-18 are of the same scope as claims 1-6. They are rejected for the same reasons as for claims 1-6.

Claims 19-24 are of the same scope as claims 7-12. They are rejected for the same reasons as for claims 7-12.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Lai whose telephone number is (571) 270-3236. The examiner can normally be reached on M-F 8:30 - 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2157

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael C. Lai  
10OCT2007

  
ARIO ETIENNE  
SUPERVISORY PATENT EXAMINER